



PROTECTED B

BRIEFING NOTE TO THE MINISTER OF INFRASTRUCTURE AND COMMUNITIES

RECOMMENDATION TO APPROVE PROJECTS FOR FUNDING UNDER THE INVESTING IN CANADA INFRASTRUCTURE PROGRAM IN ALBERTA

(For Signature)

PURPOSE

- The purpose of this note is to: 1) seek your approval to provide up to \$28,865,562 in federal funding to Alberta for 3 projects under the Investing in Canada Infrastructure Program (ICIP); and 2) request your signature on the attached Project Approval Letter to Alberta (Annex A) and List of Approved Projects (Annex B) informing Alberta that these projects have been approved for federal funding.
 - Note Project Fiches are included for each project, providing a detailed overview of the projects (Annex C).

KEY CONSIDERATIONS

- INFC officials have reviewed the projects and confirmed that they are within your delegated authority and the projects and ultimate recipients are eligible for funding under the terms and conditions of ICIP. INFC Corporate Services have reviewed the cash flows and confirmed that funds are available.
- Additionally, as per ICIP's risk-based approach for project review the Other Government Department Steering Committee, and the External Review Committee has reviewed two of the projects and did not raise any strategic considerations as documented in project fiches. One project did not require a review by the Other Government Department Steering Committee or the External Review Committee.
- Any outstanding Environmental Assessment (EA) or Aboriginal Consultation (AC) project requirements are identified in Annex B – columns I & J.
- A greenhouse gas emissions assessment is required on two projects, and two projects require a climate change resilience assessment and one project does not require either of these climate lens assessments. The greenhouse gas emissions assessment and climate change resilience assessments have been provided for the two projects.
- INFC officials have assessed the risks of each project to the department. For more information on the risk assessments of individual projects, see the project fiches in Annex C.

PROTECTED B**KEY BACKGROUND**

- The projects being recommended for approval were submitted by Alberta to be governed by the *Canada-Alberta Integrated Bilateral Agreement for the Investing in Canada Infrastructure Program*.


RECOMMENDATIONS

- It is recommended that you approve 3 projects for up to \$28,865,562 in ICIP funding by signing the attached Project Approval Letter to Alberta (Annex A) and List of Approved Projects (Annex B).
- The attached letter and project list will serve to notify your provincial counterpart of the approval of federal funding.
- Once approved, the projects can be announced. Should you wish to proceed with announcing any of the projects, departmental officials will work with your office to confirm the details.


Kelly Gillis
Deputy Minister
Infrastructure and Communities

Date Aug 12/19

☒ I approve

 I do not approve.

☐ For discussion.

AUG 14 2019

The Honourable François-Philippe Champagne, P.C., M.P.
Minister of Infrastructure and Communities

Date

Attachments

Annex A – Project Approval Letter to Alberta (2 copies for signature)

Annex B – List of Approved Projects (2 copies for signature)

Annex C – Project Fiches

ANNEX A

Minister of Infrastructure
and Communities



Ministre de l'Infrastructure
et des Collectivités

Ottawa, Canada K1P 0B6

The Honourable Prasad Panda, M.L.A.
Minister of Infrastructure
Government of Alberta
127 Legislature Building
10800 - 97 Avenue
Edmonton, Alberta T5K 2B6

AUG 14 2019

Dear Colleague:

It is my pleasure to inform you of the approval of three projects under the *Canada-Alberta Integrated Bilateral Agreement for the Investing in Canada Infrastructure Program* (the Agreement).

You will find enclosed a project list that includes details about the approved projects, which are governed by the terms and conditions of the Agreement. The maximum federal funding for each project under the Investing in Canada Infrastructure Program is the percentage of total eligible costs up to the maximum funding amount indicated in the enclosed list (columns G and H respectively).

In order for Canada to pay eligible costs for the approved projects, all requirements outlined in the Agreement must be met. As a reminder, to be considered eligible, costs must be incurred on or after the date of this letter and costs must be associated with contracts signed on or after the date of this letter, except for costs associated with completing climate lens assessments and costs associated with Aboriginal consultation and engagement activities, which are retroactively eligible from February 15, 2018.

Environmental Assessment

Canada has determined that there are no requirements under the *Canadian Environmental Assessment Act, 2012* for this Project. Given that the Impact Assessment Act (IAA) received royal assent on June 21, 2019, it is possible new requirements could arise for the

Canada

project under this new legislation. If applicable, INFC will ensure to communicate with the Recipient or Ultimate Recipient any additional requirements once the IAA is in force.

Aboriginal Consultation

No site preparation, vegetation removal or construction can occur and Canada will not pay eligible capital costs until Aboriginal consultation requirements are met and continue to be met in accordance with the Agreement, when applicable as determined by Canada. This applies to all projects for which Canada has either identified there is an obligation to consult and there may be an obligation to accommodate Aboriginal groups or for which the existence of an obligation is yet to be determined as identified in the attached list ("Yes" or "TBD" in column J). For these projects, a letter specifying Aboriginal consultation requirements will follow.

Other Payment Condition

The following additional conditions must be met for Canada to pay eligible costs for the projects to which the conditions apply:

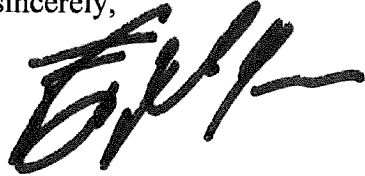
- Other project-specific payment condition as described in Column M of the attached project list.

Project Announcements

Alberta is responsible for communicating the requirements and responsibilities outlined in the Agreement's Communications Protocol to ultimate recipients. Alberta will work with Infrastructure Canada to jointly communicate Canada's funding commitments as soon as possible, to plan and participate with Infrastructure Canada in any future media announcements or events related to each project's progress, and, to produce and erect signage at each of the project sites acknowledging the federal government's contribution to the project in accordance with the signage guidelines to be provided by the Government of Canada.

I would like to take this opportunity to thank you for your collaboration and commitment to the successful delivery of the Investing in Canada Infrastructure Program in Alberta. I look forward to working with you as we continue to implement this long-term infrastructure program for the benefit of all Canadians.

Yours sincerely,

A handwritten signature in black ink, appearing to be 'F. Champagne', written in a cursive style.

The Honourable François-Philippe Champagne, P.C., M.P.
Minister of Infrastructure and Communities

Enclosure:

List of Approved Projects

ANNEX B

List of Approved Projects

The projects listed below have been approved for federal funding under the *Canada-Alberta Integrated Bilateral Agreement for the Investing in Canada Infrastructure Program*. The accompanying letter describes the conditions that must be met before Canada will pay eligible costs for a project. For projects with Environmental Assessment or Aboriginal consultation requirements (Columns I and J), Canada can pay eligible capital costs for a project, however, construction cannot start until obligations are met.

| INFC Project ID | Provincial / Territorial Project ID | Project Title | Project Description | Funding Stream (s) | Outcome (s) | Investing in Canada Infrastructure Program Funding | | Environmental Assessment Requirements | Aboriginal Consultation Requirements | Climate Lens | | |
|-----------------|-------------------------------------|---|--|--|--|--|--------------------------------|---------------------------------------|--------------------------------------|-------------------------------------|--------------------------------------|---|
| | | | | | | Federal Cost-Share (% of total eligible costs) | Maximum Federal Funding Amount | | | Greenhouse Gas Emissions Assessment | Climate Change Resilience Assessment | Other Federal Requirements |
| | | | | | | (G) | (H) | (I) | (J) | (K) | (L) | (M) |
| 54403 | ICIP-CCR-022-010 | Heritage Park Natural Resources Project | <p>The Heritage Park Natural Resources Project (the Project) consists of the design and construction of a new 4,500 square foot Interpretive Centre at the Heritage Park Museum located in Calgary, Alberta. The Interpretive Centre will demonstrate three stages of natural resource development in Canada: past; present; and future.</p> <p>The purpose of the Project is to improve access to a cultural experience regarding the importance of Canada's energy industry and Canada as a leader in the advancement of green technology. The Interpretive Centre will employ new, clean technologies such as solar power for demonstration and educational purposes.</p> <p>The scope of the Project includes a new 4,500 square foot Interpretive Centre consisting of:</p> <ul style="list-style-type: none">• an exhibition space;• a loading and storage space;• a coat check area; mechanical and electrical space;• a kitchen; and• a server area. | Community, Culture and Recreation Infrastructure | <p>Improved access to and increased quality of community, cultural and recreational infrastructure</p> <p>Increased generation of clean energy</p> | 40% | \$2,045,605 | No | Yes | N/A | N/A | N/A |
| 54408 | ICIP-CCR-022-008 | Winspear Completion Project | <p>The Winspear Completion Project (the Project) consists of the design and construction of an approximately 41,000 square foot building to expand the Francis Winspear Centre for Music, located in downtown Edmonton, Alberta. The current facility is designed for large professional performances, so the additional smaller venue (connected to the current facility) will offer a variety of configurations which are ideal for local performers and community performance groups.</p> <p>The purpose of this expansion is to open the doors to the community by increasing and improving access to a facility that offers cultural experiences. Currently, the facility is not accessible to the public unless there is a performance taking place in the existing Concert Hall. The new venue will provide a variety of programming opportunities for the community, and all of the spaces will be available for community sponsored events.</p> <p>The scope of the Project includes:</p> <ul style="list-style-type: none">• an approximate 550 seat performance venue with automated, raked seating, allowing for multiple adaptations to the room's configuration; | Community, Culture and Recreation Infrastructure | <p>Improved access to and increased quality of community, cultural and recreational infrastructure</p> | 35.91% | \$18,169,957 | No | No | Completed | Completed | Canada will not pay claims unless and until the Ultimate Recipient has confirmed that all funding for the Project has been secured. |

| | | | | | | | | | | | | |
|-------|------------------|-------------------------------------|--|--|---|--------|--------------|----|-----|-----------|-----------|---|
| 54491 | ICIP-CCR-022-009 | Telus World of Space Aurora Phase 4 | <ul style="list-style-type: none"> a balcony, back of house space for performers, meeting and administration spaces, an outdoor terrace, and an entrance lobby with washrooms and coat check facilities; and modifications to the existing facility to provide access from the front door to the new venue. <p>The Telus World of Space Aurora Phase 4 Project (the Project) consists of the design and construction of an approximately 20,000 square foot building expansion and renovation at the TELUS World of Science located in Edmonton (TWOSE), Alberta which is operated by the Edmonton Space & Science Foundation, a not-for-profit organization. The expansion will transform the existing public gallery areas to focus on science, technology, engineering, art, and math to meet the growing demands of the community and appeal to visitors of all ages and backgrounds. This Project follows the successful completion of the previous three phases of the \$40 million Aurora Expansion to the facility.</p> <p>The purpose of the expansion is to increase and improve access to the facility and offer more space for a greater breadth and depth of scientific programming and exhibits and more hands-on experiences for visitors. Currently, the exhibit halls are overcrowded, demand for programming is increasing, and exhibits and technology are outdated. The expansion will increase the profile of Indigenous knowledge about Canada's North, and incorporate renewable energy and green design into the facility.</p> <p>The scope of the Project includes:</p> <ul style="list-style-type: none"> an expanded new lobby space and a new Arctic Gallery (approximately 10,000 square feet); a new outdoor community plaza and interpretive trails; the renovation of the existing Health Gallery and Science Garage (approximately 10,000 square feet); and the addition of solar panels to the building. | Community, Culture and Recreation Infrastructure | Improved access to and increased quality of community, cultural and recreational infrastructure | 39.32% | \$8,650,000 | No | Yes | Completed | Completed | Canada will not pay claims unless and until the Ultimate Recipient has confirmed that all funding for the Project has been secured. |
| | | | | | Increased generation of clean energy | | | | | | | |
| | | | | | Increased energy efficiency of buildings | | | | | | | |
| | | | | | Total | | \$28,865,562 | | | | | |

I hereby approve the above projects for a total federal ICIP funding of up to **\$28,865,562** with the associated conditions specified in the accompanying letter.



The Honourable François-Philippe Champagne, P.C., M.P.
Minister of Infrastructure and Communities

AUG 14 2019
Date

ANNEX C



Community, Culture and Recreation

Heritage Park Natural Resources Project

Ultimate Recipient: Heritage Park Society

Location: Calgary, Alberta

PIMS #: 54403

Project Description:

The Heritage Park Natural Resources Project (the Project) consists of the design and construction of a new 4,500 square foot Interpretive Centre at the Heritage Park Museum located in Calgary, Alberta. The Interpretive Centre will demonstrate three stages of natural resource development in Canada: past; present; and future.

The purpose of the Project is to improve access to a cultural experience regarding the importance of Canada's energy industry and Canada as a leader in the advancement of green technology. The Interpretive Centre will employ new, clean technologies such as solar power for demonstration and educational purposes.

The Project scope includes a new 4,500 square foot Interpretive Centre consisting of: exhibition space; loading and storage space; a coat check area; mechanical and electrical space; a kitchen; and a server area.

INFC ASSESSMENTEligibility

- Infrastructure Canada (INFC) has made the determination that the Project meets eligibility requirements under the Investing in Canada Infrastructure Program (ICIP).

Project Results

- The Project supports the "Improved access to and increased quality of community, cultural and recreational infrastructure" outcome under the Community, Culture and Recreation Infrastructure stream by constructing a publicly accessible cultural facility (museum) where the community can experience and participate in cultural events and exhibits. The Project also contributes to the "Increased generation of clean energy" outcome under the Green Infrastructure – Climate Change Mitigation stream.

Eligible Recipient

- The Ultimate Recipient is the Heritage Park Society, a not-for-profit entity, and is an eligible recipient under ICIP.

Funding/Stacking/Cost-Sharing

- The federal contribution for this Project respects the cost-sharing limits under the Community, Culture and Recreation Infrastructure stream, where not-for-profit organizations are eligible for a maximum federal contribution of 40%.
- The overall federal funding contribution represents slightly less than 40% of the total eligible costs.

Stream-Specific Requirements

- The Project meets the stream-specific requirements in that the venue is community oriented, non-commercial, and will be open for use by the public.

Climate Lens

- The Project is under \$10 million in eligible costs, and a climate lens assessment is not required.

Community Employment Benefits (CEB)

- The Project is under \$25 million in eligible costs, and CEB reporting is not required.

Environmental Assessment and Duty to Consult

- There are no federal environmental assessment requirements, but Aboriginal consultation is required. While unlikely, it is possible Impact Assessment Act requirements could arise for the Project.

Project Risk

- [REDACTED]

Are there any special conditions? ☒ Yes ☐ No

- The Project must meet Aboriginal consultation requirements before construction starts (which includes site preparation and vegetation removal) or payments for eligible capital costs can be made.

PROJECT IMPLEMENTATION DETAILS

Nature of the Project: Expansion (100%)

Percentage of design completed: 76-100%



| | |
|---|---|
| Asset Ownership: The Ultimate Recipient will own and operate the asset. | |
| Forecasted Construction Start Date (YYYY/MM/DD) | Forecasted Construction End Date (YYYY/MM/DD) |
| 2019/09/01 | 2021/05/22 |

| PROJECT FINANCES | | | | | | | |
|--|-----------|-----------|---------|---|---------|----------------|---------|
| Maximum Federal contribution for this Project | | | | | | % | |
| Sources of Funds | | | | Amount (\$) | | Percentage (%) | |
| Total Project Costs | | | | \$7,564,013 | | | |
| Total Eligible Costs | | | | \$5,114,013 | | 100% | |
| ICIP Contribution – Community, Culture and Recreation) | | | | \$2,045,605 | | 40% | |
| Other Sources of funding: | | | | | | | |
| Province of Alberta | | | | \$1,500,000 | | | |
| Heritage Park Society | | | | | | | |
| City of Calgary | | | | \$1,500,000 | | | |
| Calgary Foundation | | | | | | | |
| Are all other sources of project funding secured? | | | | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Fiscal Year Breakdown - INFC Share (April 1 to March 31) | | | | | | | |
| 2019-20 | 2020-21 | 2021-22 | 2022-23 | 2023-24 | 2024-25 | 2025-26 | 2026-27 |
| \$1,255,605 | \$500,000 | \$290,000 | | | | | |

| PROJECT RESULTS | |
|--|--|
| Community, Culture and Recreation Infrastructure | |
| Outcome 1: Improved access to and increased quality of community, cultural and recreational infrastructure | |
| Expected Results | |
| <ul style="list-style-type: none">• Overall physical condition of enhanced assets is expected to be 'Very Good'.• Enhanced assets will be fully accessible for persons with disabilities.• The number of visits per year is expected to increase from 0/year to approx. 29,400/year for the new building.• Infrastructure receiving investment will benefit Indigenous Peoples, official language minority communities and vulnerable populations.• The Project has incorporated universal design. | |
| Green: Climate Change Mitigation | |
| Outcome 3: Increased generation of clean energy | |
| <ul style="list-style-type: none">• Maximum capacity for new energy generation from solar energy is expected to be 7.5 megawatts. | |

| IBA TARGETS |
|--|
| This Project will be one of several contributing to the following target, as outlined in the Integrated Bilateral Agreement (IBA) between the signatory and Canada for the <i>Investing in Canada Infrastructure Program</i> : |
| <ul style="list-style-type: none">• Ensure one hundred percent (100%) of federally-funded public-facing infrastructure meets the highest published applicable accessibility standard in a respective jurisdiction. |

| CLIMATE LENS |
|---|
| GHG mitigation assessment included? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| A GHG mitigation assessment is not required as the Project is under the \$10 million threshold. |
| Climate resilience assessment included? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| A climate resilience assessment is not required as the Project is under the \$10 million threshold. |



| | | |
|---|-----|---|
| COMMUNITY EMPLOYMENT BENEFIT (CEB) | | |
| The Project is under the \$25 million threshold, therefore the CEB does not apply to this Project. | | |
| OTHER FEDERAL REQUIREMENTS | | |
| Environmental Review Required? | No | INFC has determined that there are no requirements under the <i>Canadian Environmental Assessment Act, 2012</i> for this Project. Given that the <i>Impact Assessment Act (IAA)</i> received royal assent on June 21, 2019, it is possible new requirements could arise for the Project under this new legislation. If applicable, INFC will ensure to communicate with the Recipient or Ultimate Recipient any additional requirements once the IAA is in force. |
| Aboriginal Consultation Required? | Yes | Based on the information provided, there is a legal obligation to consult with Aboriginal groups under section 35 of the <i>Constitution Act, 1982</i> for this Project. Considering that construction is anticipated for September 2019, delays associated with consultation activities are likely. Once approval is received, INFC will reach out to Heritage Park Society to discuss the next steps. |
| RISKS AND MITIGATION STRATEGIES | | |
| <div></div> | | |
| STRATEGIC CONSIDERATIONS RAISED BY OTHER GOVERNMENT DEPARTMENT STEERING COMMITTEE | | |
| This Project has total eligible costs less than \$10 million, <div></div> does not require a Climate Lens assessment, and does not trigger a Treasury Board Submission. | | |
| As per ICIP's risk-based approach for project review, this Project does not require Other Government Department Committee review. | | |



STRATEGIC CONSIDERATIONS RAISED BY EXTERNAL REVIEW COMMITTEE

This Project has total eligible costs less than \$10 million, [REDACTED] does not require a Climate Lens assessment, and does not trigger a Treasury Board Submission.

As per ICIP's risk-based approach for project review, this Project does not require External Review Committee review.



Community, Culture and Recreation

Winspear Completion Project

Ultimate Recipient: Francis Winspear Centre for Music

Location: Edmonton, Alberta

PIMS #: 54408

Project Description:

The Winspear Completion Project (the Project) consists of the design and construction of an approximately 41,000 square foot building to expand the Francis Winspear Centre for Music, located in downtown Edmonton, Alberta. The current facility is designed for large professional performances, so the additional smaller venue (connected to the current facility) will offer a variety of configurations which are ideal for local performers and community performance groups.

The purpose of this expansion is to open the doors to the community by increasing and improving access to a facility that offers cultural experiences. Currently, the facility is not accessible to the public unless there is a performance taking place in the existing Concert Hall. The new venue will provide a variety of programming opportunities for the community, and all of the spaces will be available for community sponsored events.

The Project scope includes:

- An approximate 550 seat performance venue with automated, raked seating, allowing for multiple adaptations to the room's configuration;
- A balcony, back of house space for performers, meeting and administration spaces, an outdoor terrace, and an entrance lobby with washrooms and coat check facilities;
- Modifications to the existing facility to provide access from the front door to the new venue.

INFC ASSESSMENT

Eligibility

Infrastructure Canada (INFC) has made the determination that the Project meets eligibility requirements under the Investing in Canada Infrastructure Program (ICIP).

Project Results

- The Project supports the "Improved access to and increased quality of community, cultural and recreational infrastructure" outcome under the Community, Culture and Recreation Infrastructure stream by constructing a publicly accessible facility where the community can experience cultural performances as well as participate in community events.

Eligible Recipient

- The Ultimate Recipient is the Francis Winspear Centre for Music, a not-for-profit entity, and is an eligible recipient under ICIP.

Funding/Stacking/Cost-Sharing

- The federal contribution for this Project respects the cost-sharing limits under the Community, Culture and Recreation Infrastructure stream, where not-for-profit organizations are eligible for a maximum federal contribution of 40%.
- Combined with anticipated federal funding from Canadian Heritage (\$2,068,599) the overall federal funding contribution represents 40% of the total eligible costs.
- The Ultimate Recipient's application for funding from Canadian Heritage is contingent on the approval of the request for funding under ICIP.

Stream-Specific Requirements

- The Project meets the stream-specific requirements in that the venue is community oriented, non-commercial, and will be open for use by the public.

Climate Lens

- The Ultimate Recipient met the requirement to provide GHG Mitigation and Climate Change Resilience assessments which have been attested by a qualified assessor.

Community Employment Benefits (CEB)

- This Project will report on CEB and plans to target apprentices, Indigenous peoples, women, youth and recent immigrants for this Project.



| | |
|--|--|
| Environmental Assessment and Duty to Consult <ul style="list-style-type: none">There are no federal environmental assessment or aboriginal consultation requirements for this project. While unlikely, it is possible that <i>Impact Assessment Act</i> requirements could arise for the project. | |
| Project Risk <ul style="list-style-type: none">[REDACTED] | |
| Are there any special conditions? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <ul style="list-style-type: none">The Ultimate Recipient must confirm that all sources of funds for the Project are secured prior to Canada paying any eligible costs. | |

| PROJECT IMPLEMENTATION DETAILS | | | | | | | |
|--|-------------|-------------|---|--|-----------------------|------------|---------|
| Nature of the Project: 90% Expansion 10% Rehabilitation | | | | Percentage of design completed: 25% | | | |
| Asset Ownership: The Ultimate Recipient will own and operate the asset. | | | | | | | |
| Forecasted Construction Start Date (YYYY/MM/DD) | | | | Forecasted Construction End Date (YYYY/MM/DD) | | | |
| 2019/11/15 | | | | 2021/09/30 | | | |
| PROJECT FINANCES | | | | | | | |
| Maximum Federal contribution for this Project | | | | | | 40% | |
| Sources of Funds | | | Amount (\$) | | Percentage (%) | | |
| Total Project Costs | | | \$55,277,205 | | | | |
| Total Eligible Costs | | | \$50,596,391 | | 100% | | |
| ICIP Contribution – Stream 1 (Community, Culture and Recreation) | | | \$18,169,957 | | 35.91% | | |
| Other Sources of funding: | | | | | | | |
| Canadian Heritage | | | | | | | |
| Province of Alberta | | | \$13,000,000 | | | | |
| Francis Winspear Centre for Music | | | | | | | |
| City of Edmonton | | | | | | | |
| Are all other sources of project funding secured? | | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No The Ultimate Recipient’s application for funding from Canadian Heritage is contingent on the approval of the request for funding under ICIP. | | | | |
| Fiscal Year Breakdown - INFC Share (April 1 to March 31) | | | | | | | |
| 2019-20 | 2020-21 | 2021-22 | 2022-23 | 2023-24 | 2024-25 | 2025-26 | 2026-27 |
| \$3,000,000 | \$9,400,000 | \$5,769,957 | \$0 | \$0 | \$0 | \$0 | \$0 |


PROJECT RESULTS
Community, Culture and Recreation Infrastructure
Outcome 1: Improved access to and increased quality of community, cultural and recreational infrastructure
Expected Results

- Overall physical condition of new assets is expected to be 'Very Good'.
- New assets will be fully accessible for persons with disabilities.
- The number of new visits is expected to be approx. 25,000/year.
- Infrastructure receiving investment will benefit Indigenous Peoples, official language minority communities and vulnerable populations.
- The Project has incorporated universal design.
- The Project has taken gender into consideration during the design and/or construction phases.

IBA TARGETS

This Project will be one of several contributing to the following target, as outlined in the Integrated Bilateral Agreement (IBA) between the signatory and Canada for the *Investing in Canada Infrastructure Program*:

- Ensure one hundred percent (100%) of federally-funded public-facing infrastructure meets the highest published applicable accessibility standard in a respective jurisdiction.

CLIMATE LENS

GHG mitigation assessment included?

☒ Yes ☐ No

Climate resilience assessment included?

☒ Yes ☐ No

GHG Mitigation Assessment

| 2030 GHG Results | | Lifetime GHG Results | |
|--------------------------------------|--|---------------------------------------|--|
| Baseline scenario emissions, in 2030 | | Baseline scenario emissions, lifetime | |
| Estimated project emissions, in 2030 | | Estimated project emissions, lifetime | |
| Net emissions | | Net emissions | |

Climate Resilience Assessment

| | | |
|---|---|---|
| Hazards, associated with climate change and extreme weather events, that were identified which may impact the Project's integrity and its ability to provide sustained service through its design life. | <ul style="list-style-type: none"> • Drought • Hail • Heat waves or heat island effect • Ice storms • Increased frequency of freeze-thaw cycle • Increased overland flooding | <ul style="list-style-type: none"> • Increased rainfall • Increased snow loads • Increased wind speeds or tornadoes • Wildland fires • Windstorms • Lightning |
| Key measures or features of the Project that incorporate climate change considerations. | <p>Design parameters provide for a 1 in 100 year rainstorm.</p> <p>Return on investment of the Project was not calculated at time of assessment. The report indicates, "Cost/benefit analysis of resilience design options are not available at the current stage as final design details were not available at the time of the assessment. It is outside the</p> | |

| | |
|--|---|
| | scope of this assessment to complete a cost/benefit analysis of resilience design options. Furthermore, many resilience measures can be addressed through operations and maintenance procedures". |
|--|---|

COMMUNITY EMPLOYMENT BENEFIT (CEB)

The groups that will be targeted during this Project are:

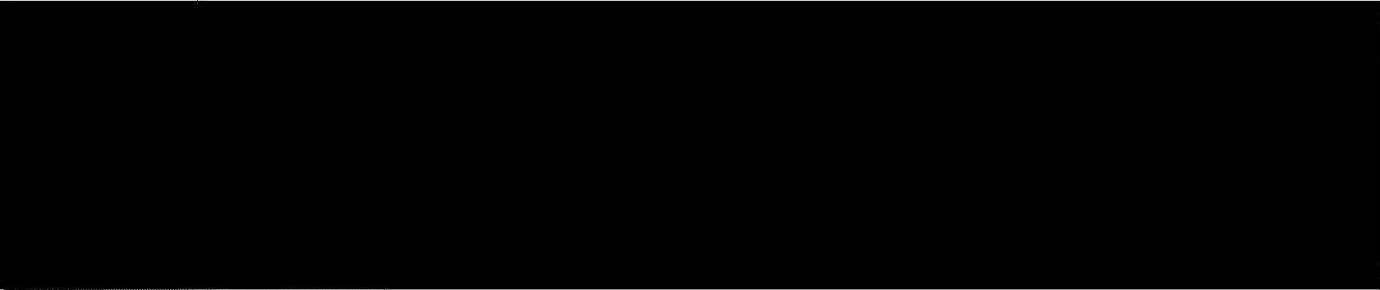
- Apprentices – 25% of total hours worked
- Indigenous peoples – 5% of total hours worked
- Women – 15% of total hours worked
- Youth – 10% of total hours worked
- Recent immigrants – 5% of total hours worked

Approximately \$36,980,508 in contracts are anticipated to be awarded to small, medium-sized and social enterprises.

OTHER FEDERAL REQUIREMENTS

| | | |
|--|-----|---|
| Environmental Review Required? | No. | INFC has determined that there are no requirements under the <i>Canadian Environmental Assessment Act, 2012</i> for this Project. Given that the <i>Impact Assessment Act (IAA)</i> received royal assent on June 21, 2019, it is possible new requirements could arise for the project under this new legislation. If applicable, INFC will ensure to communicate with the Recipient or Ultimate Recipient any additional requirements once the IAA is in force. |
| Aboriginal Consultation Required? | No. | Based on the information provided, there is no legal obligation to consult with Aboriginal groups under section 35 of the Constitution Act, 1982 for this Project. |

RISKS AND MITIGATION STRATEGIES



STRATEGIC CONSIDERATIONS RAISED BY OTHER GOVERNMENT DEPARTMENT STEERING COMMITTEE

No strategic considerations were raised following OGD Committee review.

STRATEGIC CONSIDERATIONS RAISED BY EXTERNAL REVIEW COMMITTEE

No strategic considerations were raised following ERC review.



Community, Culture and Recreation

Telus World of Space Aurora Phase 4 - Edmonton

| | | |
|--|------------------------------------|----------------------|
| Ultimate Recipient: The Edmonton Space and Science Foundation | Location: Edmonton, Alberta | PIMS #: 54491 |
| <p>Project Description:</p> <p>The Project (Phase 4) consists of the design and construction of an approximately 20,000 square foot building expansion and renovation at the TELUS World of Science located in Edmonton (TWOSE), Alberta which is operated by the Edmonton Space & Science Foundation, a not-for-profit organization. The expansion will transform the existing public gallery areas to focus on science, technology, engineering, art, and math to meet the growing demands of the community and appeal to visitors of all ages and backgrounds. This Project follows the successful completion of the previous three phases of the \$40 million Aurora Expansion to the facility.</p> <p>The purpose of the expansion is to increase and improve access to the facility and offer more space for a greater breadth and depth of scientific programming and exhibits and more hands-on experiences for visitors. Currently, the exhibit halls are overcrowded, demand for programming is increasing, and exhibits and technology are outdated. The expansion will increase the profile of Indigenous knowledge about Canada's North, and incorporate renewable energy and green design into the facility.</p> <p>The scope of the Project includes:</p> <ul style="list-style-type: none">• an expanded new lobby space and a new Arctic Gallery (approximately 10,000 square feet);• a new outdoor community plaza and interpretive trails;• the renovation of the existing Health Gallery and Science Garage (approximately 10,000 square feet); and• the addition of solar panels to the building. | | |

INFC ASSESSMENT

| |
|---|
| <p><u>Eligibility</u></p> <ul style="list-style-type: none">• Infrastructure Canada (INFC) has made the determination that the Project meets eligibility requirements under the Investing in Canada Infrastructure Program (ICIP). |
| <p><u>Project Results</u></p> <ul style="list-style-type: none">• The Project supports the “Improved access to and increased quality of community, cultural and recreational infrastructure” outcome under the Community, Culture and Recreation Infrastructure stream by constructing a publicly accessible cultural facility (science museum) where the community can experience scientific programming and interact with exhibits.• The Project also contributes to the “increased generation of clean energy” outcome under the Green Infrastructure – Climate Change Mitigation sub-stream. |
| <p><u>Eligible Recipient</u></p> <ul style="list-style-type: none">• The Ultimate Recipient is the Edmonton Space and Science Foundation, a not-for-profit entity, and is an eligible recipient under ICIP. The Ultimate Recipient will operate the asset and has a long term lease with the City of Edmonton for the building. |
| <p><u>Funding/Stacking/Cost-Sharing</u></p> <ul style="list-style-type: none">• The federal contribution for this Project respects the cost-sharing limits under the Community, Culture and Recreation Infrastructure stream, where not-for-profit organizations are eligible for a maximum federal contribution of 40%.• The overall federal funding contribution represents approximately 40% of the total eligible costs. |
| <p><u>Stream-Specific Requirements</u></p> <ul style="list-style-type: none">• The Project meets the stream-specific requirements in that the venue is community oriented, non-commercial, and will be open for use by the public. |
| <p><u>Climate Lens</u></p> <ul style="list-style-type: none">• The Ultimate Recipient met the requirement to provide GHG Mitigation and Climate Change Resilience assessments which have been attested by a qualified assessor. |
| <p><u>Community Employment Benefits (CEB)</u></p> <ul style="list-style-type: none">• This Project is under the \$25 million in eligible costs, and CEB reporting is not required. |
| <p><u>Environmental Assessment and Duty to Consult</u></p> <ul style="list-style-type: none">• There are no federal environmental assessment requirements but aboriginal consultation is required. While |



unlikely, it is possible that the Impact Assessment Act requirements could arise for this Project.

Project Risk

- [REDACTED]

Are there any special conditions? ☒ Yes ☐ No

- The Ultimate Recipient must confirm that all sources of funds for the Project are secured prior to Canada paying any eligible costs.
- The Project must meet Aboriginal consultation requirements before construction starts (which includes site preparation and vegetation removal) or payments for eligible capital costs can be made.

PROJECT IMPLEMENTATION DETAILS

Nature of the Project:

Rehabilitation: 10%

Expansion: 90%

Percentage of design completed: 51-75%

Asset Ownership: The Ultimate Recipient operates the asset. The Ultimate Recipient has a 25 year lease with the City of Edmonton for the building which was signed in May 2015.

Forecasted Construction Start Date (YYYY/MM/DD)

2019/09/01

Forecasted Construction End Date (YYYY/MM/DD)

2022/05/31

PROJECT FINANCES

Maximum Federal contribution for this project

%

Sources of Funds

Amount (\$)

Percentage (%)

Total Project Costs

\$23,432,000

Total Eligible Costs

\$22,000,000

100%

ICIP Contribution – Stream 1 (identified by system)

\$8,650,000

39.32%

Other Sources of funding:

Provincial Contribution

\$8,000,000

City of Edmonton

\$3,893,000

Philanthropic Donations

\$2,889,000

Are all other sources of project funding secured?

☐ Yes ☒ No



Fiscal Year Breakdown - INFC Share (April 1 to March 31)

2019-20

2020-21

2021-22

2022-23

2023-24

2024-25

2025-26

2026-27

\$487,000

\$4,618,000

\$2,983,000

\$562,000



| |
|--|
| PROJECT RESULTS |
| Community, Culture and Recreation Infrastructure |
| Outcome 1: Improved access to and increased quality of community, cultural and recreational infrastructure |
| Expected Results |
| <ul style="list-style-type: none">• Overall physical condition of new assets is expected to be 'Good'.• New assets will be fully accessible for persons with disabilities.• The number of new visits is expected to be approx. 48,000/year.• Infrastructure receiving investment will benefit Indigenous Peoples, official language minority communities and vulnerable populations.• The Project has incorporated universal design.• The Project has taken gender into consideration during the design and/or construction phases. |
| Green: Climate Change Mitigation |
| Outcome 3: Increased generation of clean energy |
| <ul style="list-style-type: none">• Maximum capacity for new energy generation from solar energy is expected to be 25 megawatts. |
| Outcome 4: Increased energy efficiency of buildings |
| <ul style="list-style-type: none">• The energy intensity of the building is expected to be reduced from 1.06 to 1.04 gigajoules per square metre per year. |

| |
|--|
| IBA TARGETS |
| This Project will be one of several contributing to the following target, as outlined in the Integrated Bilateral Agreement (IBA) between the signatory and Canada for the <i>Investing in Canada Infrastructure Program</i> : |
| <ul style="list-style-type: none">• Ensure one hundred percent (100%) of federally-funded public-facing infrastructure meets the highest published applicable accessibility standard in a respective jurisdiction. |

| |
|---|
| CLIMATE LENS |
| GHG mitigation assessment included? |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Climate resilience assessment included? |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

| | | | |
|--------------------------------------|--|---------------------------------------|--|
| GHG Mitigation Assessment | | | |
| 2030 GHG Results | | Lifetime GHG Results | |
| Baseline scenario emissions, in 2030 | | Baseline scenario emissions, lifetime | |
| Estimated project emissions, in 2030 | | Estimated project emissions, lifetime | |
| Net emissions | | Net emissions | |

| | |
|---|---|
| Climate Resilience Assessment | |
| Hazards, associated with climate change and extreme weather events, that were identified which may impact the project's integrity and its ability to provide sustained service through its design life. | <ul style="list-style-type: none">• Hail• Increased rainfall• Increased snow loads |
| Key measures or features of the project that incorporate climate change considerations. | Mitigation measures for hail events includes the use of more durable roofing materials in the design of the building as well as the development |

| | | |
|--|--|---|
| | <p>of procedures to check building and critical systems conditions after a hail storm.</p> <p>Mitigation measures for increased rainfall and snow include accounting for additional structural loads in building design and the consideration of on-site storage cisterns to reduce the load on drainage and stormwater systems. Policies could also be developed to monitor rain and snow events with the inclusion of inspecting drainage systems and snow/ice blocking basins and drains.</p> | |
| COMMUNITY EMPLOYMENT BENEFIT (CEB) | | |
| The Project is under the \$25 million threshold, therefore CEB does not apply to this Project. | | |
| OTHER FEDERAL REQUIREMENTS | | |
| Environmental Review Required? | No. | INFC has determined that there are no requirements under the <i>Canadian Environmental Assessment Act, 2012</i> for this Project. Given that the <i>Impact Assessment Act (IAA)</i> received royal assent on June 21, 2019, it is possible new requirements could arise for the project under this new legislation. If applicable, INFC will ensure to communicate with the Recipient or Ultimate Recipient any additional requirements once the IAA is in force. |
| Aboriginal Consultation Required? | Yes (good governance). | Based on the information provided, there is a requirement to notify Aboriginal groups due to their potential interest in the Project. It is not anticipated that the Project will result in impacts to Aboriginal or Treaty rights at this time. As consultation has already been initiated by the Ultimate Recipient, risk associated with delays is unlikely at this time. |
| RISKS AND MITIGATION STRATEGIES | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |